Performance Data Sheet

AEA9422ZXA

General Information

Model	AEA9422ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	2810	2200	1790	1530	1340	1150	893
	Watts	363	392	412	427	435	439	439
	Amps	5.92	5.88	5.89	5.94	5.99	6.02	5.99
	Lb/h	53.4	41.8	35.7	33.3	32.6	31.9	29.3
5	Btu/h	3150	2530	2100	1810	1590	1360	1070
	Watts	383	412	433	448	458	464	467
	Amps	6.07	6.02	6.04	6.10	6.16	6.21	6.21
	Lb/h	60.4	48.7	42.4	39.8	39.0	38.0	35.0
10	Btu/h	3470	2830	2380	2060	1810	1550	1210
	Watts	406	435	457	474	486	494	499
	Amps	6.22	6.17	6.19	6.26	6.34	6.41	6.44
	Lb/h	66.2	54.5	48.3	45.6	44.5	43.3	40.1
15	Btu/h	3780	3120	2650	2310	2020	1720	1340
	Watts	429	459	482	501	515	526	535
	Amps	6.36	6.31	6.34	6.42	6.52	6.61	6.67
	Lb/h	71.6	60.1	53.9	51.1	50.0	48.7	45.2
20	Btu/h	4110	3430	2940	2570	2250	1910	1490
	Watts	450	481	507	528	545	560	573
	Amps	6.50	6.45	6.49	6.58	6.70	6.82	6.91
	Lb/h	77.3	65.9	59.9	57.2	56.1	54.7	51.2
25	Btu/h	4490	3790	3270	2870	2520	2150	1690
	Watts	467	500	528	552	573	592	609
	Amps	6.63	6.59	6.63	6.74	6.88	7.03	7.15
	Lb/h	83.8	72.7	66.9	64.4	63.4	62.1	58.5
30	Btu/h	4930	4210	3670	3250	2860	2450	1950
	Watts	479	514	545	572	597	620	643
	Amps	6.75	6.72	6.78	6.90	7.06	7.24	7.39
	Lb/h	91.9	81.2	75.7	73.4	72.6	71.4	67.9

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.347716E+04	-2.646315E+02	1.189348E+01	5.695084E+02
C2	6.888786E+01	7.826309E+00	7.563126E-02	1.278229E+00

C3	-5.166577E+02	1.349143E+01	-1.706275E-01	-1.339090E+01
C4	-1.052594E+00	8.820398E-03	-3.307292E-04	-4.885925E-02
C5	4.342657E-01	-9.263978E-02	-1.009430E-03	8.154350E-03
C6	4.148770E+00	-8.403893E-02	1.576157E-03	1.116208E-01
C7	3.283607E-02	-2.709066E-03	-1.183761E-06	8.745451E-04
C8	-4.948264E-04	9.755397E-04	3.488817E-06	1.749586E-04
C9	-4.614974E-03	5.106786E-04	5.541416E-06	-6.075990E-05
C10	-1.150423E-02	1.683290E-04	-4.702813E-06	-3.109416E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AEA9422ZXA

General Information

Model	AEA9422ZXA	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	4000	3550	3150	2780	2420	2070	1690
	Watts	469	489	509	529	547	565	581
	Amps	6.31	6.36	6.42	6.51	6.63	6.81	7.06
	Lb/h	63.4	60.3	57.7	55.5	53.4	51.5	49.4
25	Btu/h	4400	3930	3520	3130	2750	2370	1960
	Watts	485	508	530	551	572	593	613
	Amps	6.46	6.54	6.61	6.71	6.83	7.00	7.23
	Lb/h	70.1	67.2	64.9	62.8	61.0	59.2	57.3
30	Btu/h	4820	4340	3900	3480	3080	2660	2220
	Watts	504	528	552	576	600	624	647
	Amps	6.58	6.69	6.80	6.91	7.04	7.21	7.43
	Lb/h	77.2	74.5	72.3	70.4	68.7	67.0	65.2
35	Btu/h	5280	4770	4300	3850	3410	2960	2480
	Watts	525	551	577	603	629	656	682
	Amps	6.68	6.83	6.97	7.11	7.25	7.43	7.66
	Lb/h	85.0	82.4	80.3	78.4	76.8	75.1	73.4
40	Btu/h	5780	5240	4730	4250	3760	3270	2730
	Watts	546	574	602	630	659	688	717
	Amps	6.75	6.95	7.13	7.30	7.47	7.67	7.90
	Lb/h	93.8	91.2	89.0	87.2	85.5	83.8	82.0
45	Btu/h	6340	5760	5210	4680	4140	3590	3000
	Watts	567	596	626	657	688	719	752
	Amps	6.79	7.05	7.28	7.49	7.69	7.91	8.16
	Lb/h	104	101	98.7	96.8	95.0	93.2	91.2
50	Btu/h	6960	6330	5740	5150	4560	3950	3300
	Watts	587	618	649	682	715	749	784
	Amps	6.80	7.13	7.42	7.67	7.92	8.16	8.43
	Lb/h	115	112	110	108	106	104	101

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.070509E+04	2.921185E+02	4.943007E+00	1.114940E+02
C2	2.453702E+01	-2.925246E+00	-4.103051E-03	4.563454E-01

C3	-1.729223E+02	2.513945E+00	3.126629E-02	-1.507569E+00
C4	6.573674E-01	1.633356E-01	-1.544269E-03	-7.611388E-04
C5	9.612352E-01	-5.504516E-03	1.331919E-03	1.353014E-02
C6	1.111275E+00	-5.978256E-03	-5.158102E-04	9.090768E-03
C7	1.316352E-02	-1.297458E-03	-2.347967E-06	3.020478E-04
C8	-1.409304E-02	-1.647746E-04	1.554806E-05	-1.567032E-04
C9	-3.307344E-03	2.913674E-04	-8.759033E-06	-1.049568E-05
C10	-2.934597E-03	-1.156341E-05	2.695801E-06	-2.385199E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature